NAME

dvispc − Modify a DVI file to be page-independent in specials

SYNOPSIS

dvispc [**−c**] [**−bvz**] *input_dvi_file* [*output_dvi_file*]

dvispc −d *input_dvi_file*

dvispc −s [**−p..**] *input_dvi_file* [*output_text_file*]

dvispc −a [**−ltv**] [**−J..**] [**−p..**] [**−r..**] *input_dvi_file* [*output_text_file*]

dvispc −x[..] [**−ltv**] [**−r..**] [*input_text_file*] *output_dvi_file*

DESCRIPTION

Dvispc is a utility to modify/edit TEX DVI file with the following features:

Mode option **−c** (default):
correct an input DVI to be page-independent in specials (default)

Mode option **−d**:
dry run to check if an input DVI is page-independent in specials

Mode option **−s**:
show all specials in the input DVI

Mode option **−a**:
translate DVI into a Text (like **dv2dt** in dtl)

Mode option **−x**:
translate Text into a DVI (like **dt2dv** in dtl)

(1) The *main* feature of **dvispc** is the first one, to make a page-independent DVI file.

A "pure" DVI file must be actually page-independent. However in recent years, DVI files with lots of \special's (color, annotation etc.) are commonly used, and they are not always page-independent. In such case, for example, **dviselect** or **dvidvi** fails to preserve \special's (e.g. page color might be lost).

The program **dvispc** corrects such page-"dependent" DVI files to be page-independent, which can be safely processed by **dviselect** or **dvidvi** and then properly converted to other formats such as PostScript and PDF.

(2) To know whether such a correction is needed or not, **dvispc −d** will suffice.

(3) The mode **−s** lists all specials found in the input DVI as-is, with a preceding number which denotes the page where it appears. For example,

```
[1]
{color push  Black}
{color pop}
{color push rgb 1 0 0}
{color pop}
[2]
{color push  Black}
{color pop}
```

This feature is equivalent to a program **dvispecials** in TeX-Guy package <http://www-masu.ist.osaka-u.ac.jp/%7Ekakugawa/TeX-Guy/> and **dvii −s** <https://ctan.org/pkg/dvii>.

(4) The mode **-a** and **-x** correspond to **dv2dt** and **dt2dv** in the dtl (= DVI Text Language) package respectively. By default **dvispc −a** formats the output text in its own style, but DTL-compatible format is available with **−t** option. Also, **dvispc −x** can accept DTL-compatible text input.

SUPPORTED SPECIALS

Currently **dvispc** supports the followings:

dvips-compatible specials
color push, color pop, background
dvipdfm(x) specials
pdf:bcolor, pdf:ecolor, pdf:bgcolor, pdf:bann, pdf:eann
tpic specials:
pn

Other specials might be supported in the future if needed.

SEE ALSO

dviselect(1), dvidvi(1), dvips(1), dvipdfmx(1)

AUTHOR

The program **dvispc** is derived from the DVIOUT package (DVI previewer for Windows) by Toshio OSHIMA ("SHIMA"), Yoshiki OTOBE, and Kazunori ASAYAMA. Current version is maintained by Japanese TEX Development Community <https://texjp.org>.
For more information, please refer to dvispc-en.txt (in English) and dvispc-ja.txt (in Japanese) on our GitHub repository, <https://github.com/texjporg/tex-jp-build> (under source/texk/dviout-util directory).